

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. (Currently Amended) A method of depositing a MCrAlY-coating (6) on the surface (5) of a single crystal (SX) or directionally solidified (DS) article (1), the method comprising the steps of

- (a) coating the article (1) only at a local area with the MCrAlY-coating (6) and
- (b) converting the deposited MCrAlY-coating in single crystal form epitaxial with the base material of the article (1).

2. (Currently Amended) The method according to claim 1, wherein during step (1) of the claim 1, the article (1) is coated locally by an electroplated method.

3. (Currently Amended) The method according to claim 1, wherein during step (a) of the claim 1, the article (1) is coated locally by a slurry process, a plasma spray, electron beam physical vapor deposition, by sputtering or any other process used for coating of MCrAlY coating.

4. (Currently Amended) The method according to ~~any of the claims 1 to 3~~
claim 1, wherein during step (a) of the claim 1, the article (~~1~~) is coated locally with a γ/γ'
or with a γ/β coating.

5. (Currently Amended) The method according to ~~any of the claims 1 to 4~~
claim 1, wherein the deposited MCrAlY-coating is converted in single crystal form by laser
remelting.

6. (Currently Amended) The method according to ~~any of the claims 1 to 4~~
claim 1, wherein during step (a) of the method the areas not to be coated are masked with a
masked material.

7. (Original) The method according to claim 6, wherein the areas not to be
coated are masked with wax or organic polymers.

8. (Currently Amended) The method according to ~~any of the claims 1 to 7~~
claim 1, wherein the steps (a) and (b) are repeated at different local areas on the surface (~~5~~)
of the article (~~1~~).

9. (Currently Amended) The method according to ~~any of the claims 1 to 7~~
claim 1, wherein the step (a) is repeated at different local areas on the surface ~~(5)~~ of the
article ~~(1)~~ before the conversion of the deposited MCrAlY-coating in single crystal form.

10. (Currently Amended) The method according to claim 8 ~~and 9~~, wherein
different areas are coated with different MCrAlY-coatings, the MCrAlY-coatings are
selected according to the required properties in said areas in respect to one or a combination
of oxidation, corrosion, thermal mechanical fatigue ~~(TMF)~~.

11. (Currently Amended) The method according to ~~any of the claim 1 to 10~~
claim 1, wherein the method is used as a repair process for a used MCrAlY-coating ~~(6)~~.

12. (Currently Amended) The method according to ~~any of the claims 1 to 11~~
claim 1, wherein a gas turbine article ~~(1)~~ such as blades or vanes is coated.